

Claims:

1. A switching device combination for capacitive loads (3) connected to a direct voltage, which switching device combination includes

5

- an actual switch component (1) for connecting the voltage to the capacitive load (3),

10

- a charging switch component (2) for connecting the voltage to the capacitive load (3) in the initial state of the connection, which charging switch component is dimensioned for a lower current than the actual switch component (1),

15

- a control component (4), by means of which the switch component (1) is controlled from an open state to a closed state and vice versa, with the aid of a mechanical lever (5), which is connected to a first shaft (6),

20

- delay elements (10), for delaying the connection of the actual switch component (1), so that the closed charging switch component (2) will have time to charge the capacitive load (3), before the actual switch (1) is connected, and

- a second shaft (7), which is connected to the first shaft (6),

characterized in that

25

- the second shaft (7) is connected to the first shaft (6) with the aid of a tolerance (15), in order to control the charging switch component (2).

30

2. A switching device combination according to Claim 1, **characterized** in that shafts (20, 21), which are at essentially right angles to each other, controlling second contacts (40, 41), are connected to each shaft (6, 7) through an angle gear.

3. A switching device combination according to Claim 1 or 2, **characterized** in that at

the end of each shaft (6, 7) are attached, at right angle to the longitudinal axis of the shafts, transverse levers (8, 9), which extend on each side of the ends of the shafts (6, 7) and the ends of the transverse levers (8, 9) are connected by transverse bars (13, 14) equipped with slots (15), in order to synchronize the shafts (6, 7) with each other while
5 allowing a margin.

4. A switching device combination according to any of the above Claims, **characterized** in that the first shaft (6) and the second shaft (7) are essentially parallel to each other.

10 5. A switching device combination according to any of the above Claims, **characterized** in that the actual switch components (1) are connected to the first shaft (6) with the aid of an angle gear (12) and a switch shaft (21).

15 6. A switching device combination according to any of the above Claims, **characterized** in that the transverse bars (13, 14) are connected to the second shaft (6) by a slot arrangement (15, 16), in such a way that the slot arrangement (15, 16) is located at the ends of the transverse bars (13, 14) next to the second shaft (7), in order to adapt the synchronization of the shafts (6, 7) to various mechanical elements, when rotating the first shaft (6) from the open position to the closed position and vice versa.

20 7. A switching device combination according to any of the above Claims, **characterized** in that the shafts (6, 7) are operationally connected to each other electrically.

25 8. A switching device combination according to any of the above Claims, **characterized** in that the charging switch components (2) are connected to the second shaft (7) with the aid of an angle gear (12) and the charging switch shaft (20).